

CLAIMS:

1. A switched-mode control circuit (1) generating an output signal and comprising a switched-mode circuit (2) that is indirectly coupled to a tuner (7), which supplies the switched-mode control circuit (1) with a reference signal comprising, or related to, a frequency or frequency band that is to be protected, characterized by a monitoring loop (3) for monitoring the output signal.
2. A switched-mode control circuit (1) as claimed in claim 1, characterized in that the monitoring loop (3) comprises:
 - a means for receiving a reference signal that comprises, or is related to, the protected frequency or frequency band,
 - a means for detecting the interference within the protected frequency band present in the output signal, and
 - a means for introducing corrective changes in the output signal.
- 15 3. A switched-mode control circuit (1) as claimed in claim 2, characterized in that the means of the monitoring loop (3) for receiving the reference signal, comprising the protected frequency or frequency band and the output signal, are two quadrature mixers (4, 5) coupled by a filter (6).
- 20 4. A switched-mode control circuit (1) as claimed in any one of the preceding claims, characterized in that the monitoring loop (3) has
 - a means for generating a correction signal, and
 - a means for introducing corrective changes in the output signal of the switched-mode circuit (2).
- 25 5. A switched-mode control circuit (1) as claimed in claim 4, characterized in that the corrective changes are synchronization pulses.

6. A switched-mode control circuit (1) as claimed in any one of the preceding claims, characterized in that a filter (8) is coupled between the output of the switched-mode circuit (2) and the input of the monitoring loop (3).

5 7. A method of diminishing the electromagnetic emission of a switched-mode circuit (2) that is indirectly coupled to a tuner (7), which supplies a reference signal comprising a frequency or frequency band that is to be protected, characterized by the steps of:

- receiving the reference signal that comprises the protected frequency or
- 10 frequency band,
- monitoring the frequency components of at least a small frequency band of the output signal of the switched-mode circuit (2),
- detecting interference signals in the protected frequency or frequency band, and
- 15 - introducing corrective changes in the output signal so as to create a hole around the protected frequency or frequency band.

8. Use of a switched-mode control circuit (1) generating an output signal and comprising a switched-mode circuit (2) that is indirectly coupled to a tuner (7), which

20 supplies the switched-mode control circuit (1) with a reference signal comprising, or related to, a frequency or frequency band that is to be protected in a product that is simultaneously trying to both receive a signal at the protected frequency or frequency band and to diminish the product's own electromagnetic emissions created by interference with the aim of generating a powerful audio signal.